

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR 03/00950A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C03C25/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C03C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 823 103 A (HARDING J) 9 July 1974 (1974-07-09) column 1, line 27 - line 59 column 4, line 54 - line 56	1, 4, 5, 7-9
X	US 3 350 345 A (CLAYTON ROBERT E ET AL) 31 October 1967 (1967-10-31) column 1, line 10 - line 13 column 2, line 19 - line 20	1, 4, 5, 7-9
X	US 4 247 436 A (ROEDDER KARL-MARTIN ET AL) 27 January 1981 (1981-01-27) column 1, line 24 -column 3, line 35 column 4, line 50 column 7, line 65 -column 8, line 7	1, 4, 5, 7-9
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 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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X document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the International search

Date of mailing of the international search report

24 July 2003

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PCT/FR 03/00950

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 524 000 A (DIXON ARNOLD G ET AL) 18 June 1985 (1985-06-18) column 2, line 13 - line 35 column 3, line 27 column 4, line 7 column 4, line 28 ---	1,2,8
X	FR 2 178 704 A (DYNAMIT NOBEL AG) 9 November 1973 (1973-11-09) page 4, line 13 - line 14; claims; example 4 ---	1,7-9
X	US 5 109 057 A (ITO MASAHIRO ET AL) 28 April 1992 (1992-04-28) column 2, line 35 - line 37 ---	8
A	WO 01 90017 A (AUGIER ERIC ; DALLIES ERIC (FR); SAINT GOBAIN VETROTEX FRANCE S (FR) 29 November 2001 (2001-11-29) claims ----	1-9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/FR 03/00950

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 3823103	A 09-07-1974	AU 471351 B2 AU 4471072 A CA 987411 A1 DE 2235439 A1 FR 2146448 A1 GB 1394282 A JP 51018262 B SE 392474 B		15-04-1976 24-01-1974 13-04-1976 01-02-1973 02-03-1973 14-05-1975 08-06-1976 28-03-1977
US 3350345	A 31-10-1967	DE 1467440 A1 FR 1397196 A GB 1062595 A NL 301721 A		13-03-1969 30-04-1965 22-03-1967
US 4247436	A 27-01-1981	DE 2624888 A1 BE 855370 A1 CA 1100678 A1 CA 1116782 A2 FR 2353594 A1 FR 2364227 A1 GB 1584634 A GB 1584633 A IT 1115765 B JP 52147654 A NL 7706153 A NO 771940 A NO 821974 A SE 7706446 A US 4195141 A		15-12-1977 03-10-1977 05-05-1981 19-01-1982 30-12-1977 07-04-1978 18-02-1981 18-02-1981 03-02-1986 08-12-1977 06-12-1977 06-12-1977 04-12-1977 25-03-1980
US 4524000	A 18-06-1985	GB 2135207 A AU 559088 B2 AU 2461284 A BR 8400659 A CA 1224112 A1 DK 67884 A ,B, EP 0119637 A2 ES 8700574 A1 JP 59156404 A NL 8400190 A NO 840552 A ,B, ZA 8401107 A		30-08-1984 19-02-1987 23-08-1984 25-09-1984 14-07-1987 18-08-1984 26-09-1984 16-01-1987 05-09-1984 17-09-1984 20-08-1984 26-09-1984
FR 2178704	A 09-11-1973	DE 2215600 A1 BE 797506 A1 FR 2178704 A5 IT 980040 B SE 383170 B		04-10-1973 16-07-1973 09-11-1973 30-09-1974 01-03-1976
US 5109057	A 28-04-1992	JP 2145660 A JP 2772002 B2 DE 3939180 A1 KR 133525 B1 KR 140214 B1		05-06-1990 02-07-1998 31-05-1990 20-04-1998 15-06-1998
WO 0190017	A 29-11-2001	FR 2809389 A1 AU 6400601 A EP 1284940 A1		30-11-2001 03-12-2001 26-02-2003

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal Application No
PCT/FR 03/00950

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0190017	A	WO 0190017 A1	29-11-2001